

**Ram Communications Consultants, Inc.**  
10 Woodbridge Center Drive  
Woodbridge, NJ 07095  
(908) 836-6970 fax (908) 836-7260

No.	Date	Revision	Approved

The
World
Trade
Center

**STANDBY POWER  
5 WORLD TRADE CENTER**

COMMUNICATIONS

## PANELBOARD SCHEDULES

This drawing subject to conditions in contract.  
All inventions, ideas, designs and methods  
herein are reserved to Port Authority and  
may not be used without its written consent.

<u>D.S.</u>	<u>R.M.</u>	<u>D.S.</u>
Designed by	Drawn by	Checked by

Date: \_\_\_\_\_ Sec: NONE

Contract Number	Drawing Number
-----------------	----------------

WTC-945.071 E-805

LOAD DESCRIPTION	LOAD (VA)		
	# A	# B	# C
PANELBOARD UPS	5028		
VIA BYPASS		4594	
SWITCH			4992
SPACE	—		
"		—	
"			—
TOTAL	5028	4594	4992

PANEL RP9M 208Y / 120 V,  
3  $\phi$ , 4 W, 100A FRAME, 100A TRIP MCB  
SHORT CIRCUIT RATING = 10 KA  
NON-LINEAR TYPE WITH 200% NET/TRA

LOAD DESCRIPTION	LOAD (VA)		
	# A	# B	#
UNINTERRUPTIBLE POWER SUPPLY	7576	7576	75
AIR HANDLING UNIT A/C-1	684	684	68
EF-1	896		
EF-2		696	
SPARE			
LIGHTS - BATTERY ROOM SPACE	450		

PANEL ERP-9E 208Y/ 120V.  
3 Ø. 4 W. 225A FRAME, 150A TRIP MCB  
 SHORT CIRCUIT RATING = 10 KJ.  
 NON-LINEAR TYPE WITH 200% NEUTRAL.

LOAD DESCRIPTION	LOAD (AMPS)	
	"+"	"-"
BATTERY STRING NUMBER 3	22	<del>22</del>
BATTERY STRING NUMBER 4	22	22
SPARE	-	<del>-</del>
	<del>-</del>	-

PANELBOARD "DC"  
225A MLO, 250 VDC  
SHORT CIRCUIT RATING = 5KA  
SQUARE D 7-LINE" WITH FA24050(AB)  
CIRCUIT BREAKERS, OR APPROVED EQUAL

$\delta A$   $\delta B$   $\delta C$

3P70A

15A 1 2 15A  
 15A 3 4 15A  
 15A 5 6 15A  
 15A 7 8 15A  
 15A 9 10 15A  
 15A 11 12 15A  
 15A 13 14 15A  
 15A 15 15 15A  
 15A 17 18 15A  
 15A 19 20 15A  
 15A 21 22 15A  
 15A 23 24 15A  
 15A 25 25 15A  
 15A 27 26 15A  
 15A 29 30  
 15A 31 32  
 15A 33 34 15A  
 15A 35 36 15A  
 15A 37 38 15A  
 15A 39 40  
 15A 41 42

LOAD DESCRIPTION	LOAD (VA)		
	# A	# B	# C
EQUIPMENT OUTLETS	360		
EQUIPMENT OUTLETS		360	
EQUIPMENT OUTLETS			150
EQUIPMENT OUTLETS	360		
EQUIPMENT OUTLETS		360	
EQUIPMENT OUTLETS			360
EQUIPMENT OUTLETS	360		
EQUIPMENT OUTLETS		360	
EQUIPMENT OUTLETS			360
EQUIPMENT OUTLETS	360		
EQUIPMENT OUTLETS		360	
EQUIPMENT OUTLETS			360
SPARE	360		
SPACE			
"			
"			
AIRFLOW ALARM			
AIRFLOW ALARM			
TRANSIENT VOLTAGE SURGE SUPPRESSOR			
	1800	1440	1440

PANEL UPS 208Y / 120 V.  
225A 3 P. 4 W. 225A FRAME, 70A TAP  
SHORT CIRCUIT RATING = 10 KA  
NON-LINEAR TYPE W/ 200% NEUTRAL

WTC-945.071 E-805